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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	unassigned
		Filing Date	Filed Herewith
		First Named Inventor	John Jianhua Chen
		Group Art Unit	unassigned
		Examiner Name	unassigned
Sheet 1 of 3	Attorney Docket Number	04-0048	

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Class/Subclass		
/C.A./	1	6,406,457 B1	604/96.01	Wang et al.	06-18-2002
	2	2001/0046564 A1	427/430.1	Kotov	11-29-2001
	3	2002/0037383 A1	428/36.91	Spillman	03-28-2002
	4	2002/0061326 A1	424/424	Li et al.	05-23-2002
	5	2003/0065355 A1	606/200	Weber	04-03-2003
	6	2003/0093107 A1	606/194	Parsonage et al.	05-15-2003
	7	2003/0157260 A1	427/402	Rubner et al.	08-21-2003
	8	2003/0175517 A1	428/402.2	Voigt et al.	09-18-2003
	9	2003/0219909 A1	436/518	Lally et al.	11-27-2003
/C.A./	10	2004/0023317 A1	435/14	Motamedi et al.	02-05-2004

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY	T
		Office ³	Number ⁴	Class/Subclass			
/C.A./	1	WO	99/47252	B01J 13/00	Lerche Karl Heinz (DE) et al.	09-23-1999	
/C.A./	2	WO	03/103854 A1	B05D 1/18, B01D 3/00	Nicholas A. Kotov (US) et al.	06-06-2003	
/C.A./	3	WO	00/44507	B05D 1/14, 3/00, G11B 5/62	Nicholas A. Kotov (US) et al.	08-03-2000	

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OTHER PRIOR ART—NON-PATENT LITERATURE DOCUMENTS			
Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
/C.A./	A1	CHUNG, A.J. AND RUBNER, M.F., Methods of Loading and Releasing Low Molecular Weight Cationic Molecules in Weak Polyelectrolyte Multilayer Films, <i>Langmuir</i> 2002, 18, 1176-1183.	
	A2	FRANK CARUSO et al., Microencapsulation of Uncharged Low Molecular Weight Organic Materials by Polyelectrolyte Multilayer Self-assembly, <i>Langmuir</i> 2000, 16, 8932-8936	
	A3	GI-RA, YI et al., Ordered Macroporous Particles by Colloidal Templating, <i>Chem. Mater.</i> 2001, 13, 2613-2618	
	A4	SHCHUKIN, D.G. et al., Micron-Scale Hollow Polyelectrolyte Capsules with Nanosized Magnetic Fe ₃ O ₄ Inside, <i>Materials Letters</i> 57, 1743-1747, 2003.	
	A5	RADTCHENKO, I.L. et al., A Novel Method for Encapsulation of Poorly Water-soluble Drugs: Precipitation in Polyelectrolyte Multilayer Shells, <i>International Journal of Pharmaceutics</i> , 242, 219-223 (2002).	
	A6	RADTCHENKO, I.L. et al., Assembly of Alternated Multivalent Ion/Polyelectrolyte Layers on Colloidal Particles. Stability of the Multilayers and Encapsulation of Macromolecules into Polyelectrolyte Capsules, <i>Journal of Colloid and Interface Science</i> , 230, 272-280 (2000)	
	A7	WHAU, WINKY L. et al., Surface-chemistry technology for microfluidics, <i>J. Micromech. Microeng.</i> 13 (2003) 272-278	
	A8	RADTCHENKO et al., Incorporation of macromolecules into polyelectrolyte micro and nanocapsules via surface controlled precipitation on colloidal particles, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 202 (2002) 127-133.	
	A9	MOYA, S. et al., Polyelectrolyte multilayer capsules templated on biological cells: core oxidation influences layer chemistry, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 183-185 (2001) 27-40.	
/C.A./	A10	ANTIPOV, ALEXEI A. ET AL., Polyelectrolyte multilayer capsule permeability control, <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> 198-200 (2002) 535-541	

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/C.A./	A11	QIU, XINGPING et al., Studies on the Drug Release Properties of Polysaccharide Multilayers Encapsulated Ibuprofen Microparticles, <i>Langmuir</i> 2001, 17, 5375-5380	
	A12	ANTIPOV, ALEXEI A. et al., Sustained Release Properties of Polyelectrolyte Multilayer Capsules, <i>J. Phys. Chem. B</i> 2001, 105, 2281-2284, October 27, 2000	
	A13	http://www.bmed.mcgill.ca/tabrizian/People_pages/Benjamin2.htm#cCOMMUNICATIONS , THIERRY, BENJAMIN, Development of new strategies for endovascular revascularization procedures, 1-7, date unknown but before the filing of this application	
	A14	https://engineering.purdue.edu/BME/Seminars/2003/july_14.html , Graduate Seminar, Stent coating for drug delivery: Coating polymeric micelles using polyelectrolytes Purdue University Biomedical Engineering Seminar, 2003, 1-2, July 14, 2003	
	A15	http://www2.latech.edu/~ylvov/research/research.htm , LVOV, YURI M., Nanofabrication of ordered multilayers by alternate absorption of polyions, nanoparticles and proteins: From planar films to microtemplates, Institute for Micromanufacturing, LaTech, Ruston, LA 71272, pp. 1-13, date unknown but before the filing of this application.	
	A16	POMMERSHEIM, RAINER; SCHREZENMEIR, JURGEN; VOGT, WALTER. "Immobilization of enzymes by multilayer microcapsules" <i>Macromol. Chem. Phys.</i> Vol. 195. 1994. pp 1557-1567.	
	A17	RILLING, P.; POMMERSHEIM, WALTER R.; VOGT, W. "Encapsulation of cytochrome C by multilayer microcapsules. A model for improved enzyme immobilization". <i>Journal of Membrane Science</i> Vol. 129. 1997. pp. 283-287.	
	A18	SUKHORUKOV, GLEB B.; SHCHUKIN, DMITRY G.; DONG, WEN-FEI; MOHWALD, HELMUT; LULEVICH, VALENTIN V.; VINOGRADOVA, OLGA I. "Comparative Analysis of Hollow and Filled Polyelectrolyte Microcapsules Templated on Melamine Formaldehyde and Carbonate Cores". <i>Macromol. Chem. Phys.</i> 2004. Vol. 205. pp. 530-535	
	A19	SASTRY, MURALI; KUMAR, ASHAVANI; DATAR, SUVARNA; DHARMADHIKARI, C.V.; GANESH, KRISHNA N. "DNA-mediated electrostatic assembly of gold nanoparticles into linear arrays by a simple drop-coating procedure". <i>Applied Physics Letters</i> . Vol. 78, No. 19. May 7, 2001. pp. 2943-2945.	
/C.A./	A20	MAMEDOV, ARIF A.; KOTOV, NICHOLAS A.; PRATO, MAURIZIO; GULDI, DIRK M.; WICKSTED, JAMES P; HIRSCH, ANDREAS. "Molecular design of strong single-wall carbon nanotube/polyelectrolyte multilayer composites". <i>Nature Publishing Group</i> . November 2002. Vol. 1. pp. 190-194.	

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